

NO. 5 MILL EXPANSION

Gerdau - MRM

Selkirk, Manitoba



Project Description

KGS Group was retained by Gerdau-MRM to provide planning and detailed design for a \$25 million expansion of the steel rolling mill facility in Selkirk, Manitoba. This expansion adds an additional rolling mill line to the existing facility which produces flat steel products from recycled steel. The scope of the project includes a new 1200 hp mill stand, a 150 Ton per hour cooling bed, 84" dia. variable speed cut-off saw and a stacking/piling/bundling area in a 36,000 sq.ft. building addition.

KGS Group's scope of services includes:

- Geotechnical investigation and foundation design
- Structural/architectural design of building and equipment foundations
- Complete design of electrical services
- Mechanical design of HVAC, cooling system & process equipment auxiliaries
- Controls and instrumentation, including PLC programming
- Construction supervision and commissioning

The project was fast tracked with sequential contracts over the 1 year construction time-frame. The building foundation and superstructure design and construction was completed prior to receiving the detailed process equipment requirements from the supplier (Danieli Ltd.-Italy) in order to meet the schedule. KGS Group prepared specifications for the procurement of major mechanical and electrical equipment such as fluid coolers, pumps, 15kV and 600V switchgear and PLC equipment.

The project was completed on schedule in Fall, 1999.

The project was awarded the Award of Merit in the Industrial category at the 2002 Consulting Engineers of Manitoba Awards of Excellence.